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Amendments to the Specification:

Please amend the specification as follows:

Paragraph bridging pages 5 and 6:

Figure 1 is a diagram illustrating an embodiment of a networked machine vision system 100. The illustrated system 100 includes a first (collector) computer 102, a second (analyzer) computer 104, and a communications link (an internetwork) 106. In the system of Fig 1, image data is sent from first computer 102 to remotely located second computer 104 via communications link 106. Vision tool parameters may also be sent, if needed, from first computer 102 to remotely located second computer 104. Second computer 104 analyzes the image data and any given vision tool ~~given~~ parameters that may be sent, using [[an]] a chosen vision tool to produce [[an]] a given result. The result is sent from second computer 104 to first computer 102 via the communications link 106. The communications link located between the first and second computer may be an Internet connection or wide area network (WAN) connection.

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Amendments to the Title:

Please revise the Title as follows:

Optimized Distribution of ~~Remote~~ Machine Vision Processing ~~Sensor~~